

COMMISSIONER FOR PATENTS  
Mail Stop Patent Application  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

DOCKET NUMBER: AUS920030579US1

DATE: October 23, 2003

031088 U.S.PTO  
10/693031  
102303  


Sir:

Transmitted herewith for filing is the Patent Application of:

Inventors: David William Boerstler and Eskinder Hailu

For: Adaptive Method and Apparatus to Control Loop Bandwidth of a Phase Lock Loop

**Assignee Name: International Business Machines Corporation****Assignee Residence: Armonk, New York**

Enclosed are:

14 Patent Specification including an Abstract

4 Pages of Claims

7 Sheet(s) of drawings.  Informal  Formal

1 Declaration(s) and Power of Attorney

Form PTO 1595 and Assignment of the Invention to IBM Corporation

A certified copy of a \_\_\_\_\_ application.

Information Disclosure Statement, PTO 1449 and copies of 4 references.

The filing fee has been calculated as shown below:

FOR	Number Filed	Number Extra	Rate	Basic Fee
Total Claims	9	-20 = 0	X \$ 18	= \$ 00.00
Independent Claims	6	- 3 = 3	X \$ 86	= \$ 258.00
Multiple Dependent Claims	00		X \$290	= \$
<b>Total Filing Fee</b>				<b>\$1,028.00</b>

Please charge my Deposit Account No. 09-0447 in the amount of \$ 1,028.00. A duplicate copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 09-0447. A duplicate copy of this sheet is enclosed.

Any additional filing fees required under 37 CFR 1.16.

Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

By Robert M Carwell

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FOR	Number Filed	Number Extra	Rate	Basic Fee
				\$770.00
Total Claims	9	-20 =	0	<input checked="" type="checkbox"/> \$ 18 = \$ 00.00
Independent Claims	6	- 3 =	3	<input checked="" type="checkbox"/> \$ 86 = \$ 258.00
Multiple Dependent Claims	00		<input checked="" type="checkbox"/> \$290	= \$
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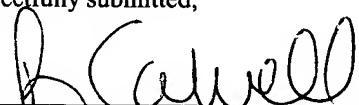
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